









Qy 640 TGCTCGGCAATTAACCTGCTAATGTTGCTTAAGCTACTTTAGGTAAATGATGCTACAATA 699  
Db 13221 TCCCTACAAATACTGCTGATGCTAACACTAGTAATACTGTTCTTAATACCAGTATGCCT 13280  
Qy 700 ACCGCATAATGTAACGTTGATGCCCTGATGGTACTATAGTCTGCTCGAGTAAATAAT 759  
Db 13281 TCCTCTACAAGTAGTACTACTGTGAGTACTATTGCTACCGTTGCCATTTCCAGTGACTCCT 13340  
Qy 760 TGGGTAGCACAAAACACTGAATGCTAATTTGCTCCTCAACTTTTACAATAATATGCT 819  
Db 13341 TCCTGACAAGTACTGCTGATGCCACATAGTACTACTGTACTTATGCCACTACTTCT 13400  
Qy 820 CCTAATTTCAATCCAGGTAATAGTACATGCTACCTTGGCCAGCAATAAAGATTATGCT 879  
Db 13401 TCCTAACAGGTACTACTGATGTTAGCAGTACTACTATTAATAATAGTACTCCT 13460  
Qy 880 GCTGAAGCCACTGCAGTGGTGGCGGTACTTTAGCCAAATAATGTAATTTGATGCGCCT 939  
Db 13461 GTTCAACAATAACTACTAATGCTAGCAGTACTACTAATGTTGCTAATAATACTGCTACC 13520  
Qy 940 GATGGTACTGCAATTTGCTAGTGAGCAACTAATTTATGTAATATATAACAGAACTCTCTA 999  
Db 13521 TCCTACAAGTACTGATGATCTGTTCTCTAATAATACTGTTCCAGTTACAGCTATTCCT 13580  
Qy 1000 AATTGCTGCTGA 1012  
Db 13581 TCCTTTGCAATA 13593

RESULT 5

US-09-864-761-19241  
; Sequence 19241, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: Aecmics-X-1  
; CURRENT APPLICATION NUMBER: US/09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 09/608,408  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: US 09/774,203  
; PRIOR FILING DATE: 2001-01-29  
; NUMBER OF SEQ ID NOS: 49117  
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 19241  
; LENGTH: 1075  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO AL078472.1  
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 27  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 19  
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 34  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 7.1  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 28  
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 43  
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 20  
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 25  
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 18  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 21  
; OTHER INFORMATION: EST\_HUMAN HIT: AV739739.1, EVALUE 1.00e+00  
; OTHER INFORMATION: NT HIT: AL163201.2, EVALUE 2.00e-19  
US-09-864-761-19241

Query Match 3.2%; Score 45.8; DB 10; Length 1075;  
Best Local Similarity 41.7%; Pred. No. 0.12;

Matches 287; Conservative 0; Mismatches 402; Indels 0; Gaps 0;  
Qy 288 TGCTGGTACCCCAATTGTCAGGTGGAGCAACAGATTATGCAGCAATAATACAGAAATGTGT 347  
Db 216 TGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 275  
Qy 348 TAATTGTAGAATTAATTTTATAATGAAATGCTCCAAATTTTAAATCAGGTGCTAGTAC 407  
Db 276 TGGTGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 335  
Qy 408 ATGCACAGCTTGTCCGGTAAACAGAGTTGGTGGTGCATTCAGTCTGCTGGTAAATGCCGCTAC 467  
Db 336 TGG 395  
Qy 468 CATAGTCGCATAAATGTAACGTCGCATGTCCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 527  
Db 396 TGG 455  
Qy 528 TACTGATTATGTTAGATCATTCACAGAAATGTTTAAATGTAGACTTAACCTTTACTATAA 587  
Db 456 TGG 515  
Qy 588 TGGTAAATAGGTAAATACTCCTTTCAATCCAGGTAAAGTTAATGCACACCTTTGTCGCGC 647  
Db 516 TGG 575  
Qy 648 AATTAAACCTGCTAATGTTGCTTAAGCTACTTTAGGTAATGATGCTACAATAACCGATA 707  
Db 576 TAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 635  
Qy 708 ATGTAACGTTGTCATGCCCTGATGCTACTAAGTGGCTGGTGGAGTAATAATTTGGGTAGC 767  
Db 636 TGG 695  
Qy 768 ACAAAACACTGAATGTAATAATTGTGCTCCTAACTTTTACAATAATAATGCTCCTCAATTT 827  
Db 696 TGG 755  
Qy 828 CAATCCAGGTAATAGTACATGCCCTACCTTCCCGCAAGCAATAAAGATTATGGTCTGCTGAAGC 887  
Db 756 TGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 815  
Qy 888 CACTGCAGGTGGTGGCGCTACTTTAGCCAAATAATGTAATATTGCATGCCCTCATGGTAC 947

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; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 25
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 18
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 21
US-09-864-761-2513

Query Match 3.2%; Score 45.8; DB 10; Length 1403;
Best Local Similarity 41.7%; Pred. No. 0.13;
Matches 287; Conservative 0; Mismatches 402; Indels 0; Gaps 0;

Qy 288 TGCTGGTACCGCAATTGCAGGTGGAGCAACAGATTATGCGACGAATAATCAGCAATGTGT 347
Db 566 TGATGGTGGTGATGGTGGTGGTGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 625
Qy 348 TAATTGTAGAAATTAATTTTATAATGAAATGCCTCCAAATTTTAAATCAGGTGCTAGTAC 407
Db 626 TGGTGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 685
Qy 408 ATGCACAGCTTGTCCGGTAAACAGATGTTGGTGGTGCATTGACTGCTGTAATCCGCTAC 467
Db 686 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGA 745
Qy 468 CATAGTCGCAATAATGTAACGTCGCATGTCCTACTGCTACTGCACTTGTATGATGAGTAAC 527
Db 746 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 805
Qy 528 TACTGATTATGTATGATCAATTCACAGAAATGTTAAATGTAGACTTAACTTTTACTATAA 587
Db 806 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 865
Qy 588 TGGTAATAATGGTAATCTCTCTCAATCCAGGTAAAGTTAATGCACACCTTGTCCGGC 647
Db 866 TGGTGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 925
Qy 648 AATTAAACCTGCTAATGTTGCTTAAGCTTACTTTAGGTAATGATGCTACAATAATGCTCAATTT 827
Db 926 TAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 985
Qy 708 ATGTAACTTGCATGCCCTGATGGTACTATAAGTCTGCTCGAGTAATAATTTGGGTAGC 767
Db 986 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1045
Qy 768 ACAAAACACTGAATGTACTAATTTGCTCCCTAACTTTTACAAATAATAATGCTCAATTT 827
Db 1046 TGGTGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1105
Qy 828 CAATCCAGSTAAATAGTACATCCCTACCTTGCCCAAGCAATAAAGATTATGCTGTAAGC 887
Db 1106 TCGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1165
Qy 888 CACTGCAGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 947
Db 1166 TCATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1225
Qy 948 TGCAATTGCTAGTGGAGCAACTAATTATG 976
Db 1226 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1254

RESULT 7
US-09-798-042-95/c
; Sequence 95, Application US/09798042
; Patent No. US20020068343A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS
; TITLE OF INVENTION: AND TREATMENT OF EHRlichia INFECTION
; FILE REFERENCE: 210121.439C7
; CURRENT APPLICATION NUMBER: US/09/798,042
; CURRENT FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 108

; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 27
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 19
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 34
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 7.1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 28
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 43
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 20
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; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 25
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 18
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 21
US-09-864-761-2513

Query Match 3.2%; Score 45.8; DB 10; Length 1403;
Best Local Similarity 41.7%; Pred. No. 0.13;
Matches 287; Conservative 0; Mismatches 402; Indels 0; Gaps 0;

Qy 288 TGCTGGTACCGCAATTGCAGGTGGAGCAACAGATTATGCGACGAATAATCAGCAATGTGT 347
Db 566 TGATGGTGGTGATGGTGGTGGTGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 625
Qy 348 TAATTGTAGAAATTAATTTTATAATGAAATGCCTCCAAATTTTAAATCAGGTGCTAGTAC 407
Db 626 TGGTGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 685
Qy 408 ATGCACAGCTTGTCCGGTAAACAGATGTTGGTGGTGCATTGACTGCTGTAATCCGCTAC 467
Db 686 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGA 745
Qy 468 CATAGTCGCAATAATGTAACGTCGCATGTCCTACTGCTACTGCACTTGTATGATGAGTAAC 527
Db 746 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 805
Qy 528 TACTGATTATGTATGATCAATTCACAGAAATGTTAAATGTAGACTTAACTTTTACTATAA 587
Db 806 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 865
Qy 588 TGGTAATAATGGTAATCTCTCTCAATCCAGGTAAAGTTAATGCACACCTTGTCCGGC 647
Db 866 TGGTGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 925
Qy 648 AATTAAACCTGCTAATGTTGCTTAAGCTTACTTTAGGTAATGATGCTACAATAATGCTCAATTT 827
Db 926 TAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 985
Qy 708 ATGTAACTTGCATGCCCTGATGGTACTATAAGTCTGCTCGAGTAATAATTTGGGTAGC 767
Db 986 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1045
Qy 768 ACAAAACACTGAATGTACTAATTTGCTCCCTAACTTTTACAAATAATAATGCTCAATTT 827
Db 1046 TGGTGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1105
Qy 828 CAATCCAGSTAAATAGTACATCCCTACCTTGCCCAAGCAATAAAGATTATGCTGTAAGC 887
Db 1106 TCGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1165
Qy 888 CACTGCAGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 947
Db 1166 TCATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1225
Qy 948 TGCAATTGCTAGTGGAGCAACTAATTATG 976
Db 1226 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1254

RESULT 7
US-09-798-042-95/c
; Sequence 95, Application US/09798042
; Patent No. US20020068343A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS
; TITLE OF INVENTION: AND TREATMENT OF EHRlichia INFECTION
; FILE REFERENCE: 210121.439C7
; CURRENT APPLICATION NUMBER: US/09/798,042
; CURRENT FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 108
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; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 95
; LENGTH: 2120
; TYPE: DNA
; ORGANISM: Ehrlichia
US-09-798-042-95

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Query Match 3.1%; Score 43.4; DB 10; Length 2120;  
Best Local Similarity 44.3%; Pred. No. 0.58;  
Matches 277; Conservative 0; Mismatches 336; Indels 12;

[illegible]

## RESULT A

US-09-159-469-39  
; Sequence 39, Application US/09159469  
; Patent No. US20020064535A1

/ GENERAL INFORMATION:  
 / APPLICANT: Reed, Steven G.  
 / APPLICANT: Lodes, Michael J.  
 / APPLICANT: Houghton, Raymond  
 / TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND  
 / TITLE OF INVENTION: THERAPY OF EHRlichia INFECTION  
 / NUMBER OF SEQUENCES: 73  
 / CORRESPONDENCE ADDRESS:  
 / ADDRESSEE: SEED and BERRY LLP  
 / STREET: 6300 Columbia Center, 701 Fifth Avenue  
 / CITY: Seattle  
 / STATE: Washington  
 / COUNTRY: USA







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Query Match          3.0%; Score 42.8; DB 10; Length 439;
Best Local Similarity 45.0%; Pred. No. 0.41;
Matches 161; Conservative 0; Mismatches 197; Indels 0; Gaps 0;

Qy 726 TGATGGTACTAATAGTCTGCTGAGTAATAATTTGGGTAGCACAACCACTGAATGTAC 785
Db 382 TGGTGGTGATGCTGCTGCTGATGATGATGATGATGATGATGATGATGATGATGATG 785
Qy 786 TAATTTGCTCCTAACCTTTTACAATAATAATGCTCTCAATTTCAATCCAGGTAATAGTAC 845
Db 322 CGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 845
Qy 846 ATGCTACCTTGGCCAGCAATAAAGATTATGCTGCTGAAGCCACTGCAGGTGGTGGCCGC 905
Db 262 TGATGGTGATGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 905
Qy 906 TACTTTAGCCAAATAATGTAATATTCATGCTGCTGATGCTGCTGCTGCTGCTGCTGCTG 965
Db 202 TGCTGATGGTTTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATG 965
Qy 966 AACTAATATGTAATATTATAACAGAATGCTCTAAATTTGCTGCTAACTTTTATTTTGA 1025
Db 142 TGATGATGGTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 83
Qy 1026 TGGTAATAATTTCTAGCGAGGAGTAGTAGATGCAAGCATGTCAGCAAAATAAGTT 1083
Db 82 TGGTGAATAAGGATGCTGCTGATGATGATGATGATGATGATGATGATGATGATGATG 25

RESULT 11
US-09-970-477-1
; Sequence 1, Application US/09970477
; Patent No. US20020127545A1
; GENERAL INFORMATION:
; APPLICANT: Lorincz, Attila T.
; TITLE OF INVENTION: ASSESSMENTS OF HUMAN PAPILLOMA VIRUS-RELATED DISEASE
; FILE REFERENCE: 2629-4005U4
; CURRENT APPLICATION NUMBER: US/09/970.477
; CURRENT FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: U.S. 09/210.168
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: U.S. 60/082.167
; PRIOR FILING DATE: 1998-04-17
; PRIOR APPLICATION NUMBER: U.S. 60/070.486
; PRIOR FILING DATE: 1998-01-05
; PRIOR APPLICATION NUMBER: U.S. 60/069.426
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1390
; TYPE: DNA
; ORGANISM: Human papillomavirus
; FEATURE:
; OTHER INFORMATION: L2-HPV16
US-09-970-477-1

Query Match          3.0%; Score 42.6; DB 10; Length 1390;
Best Local Similarity 44.1%; Pred. No. 0.75;
Matches 226; Conservative 0; Mismatches 284; Indels 3; Gaps 1;

Qy 633 CACACCTTGTCCGCAATTAACCTGCTAATGTTGCTTAAGCTACTTTAGGTAAATGATGC 592
Db 834 CACTCCCACTAAACTTATACATATGATATCTGCTGATGATGATGATGATGATGATGATG 592
Qy 693 TACAATAACCCCAATATGTAACGTTCGATGCCCTGATGATGATGATGATGATGATGATG 893
Db 894 TACATATATATTTCTAGTAATGATATAGTATTAATATAGTCCAGACTCTGACTTTT 752
Qy 753 AAATAATTTGGTAGCACAACCACTGAATGCTACTAATTTGCTGCTCCAACTTT---TACAA 809
Db 954 GGATATAGTTGCTTTACATAGGCCAGCATTAACCTCTGATGATGATGATGATGATGATG 1013
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Qy 810 TAATAATGCTCTCTAATTTCAATCCAGGTAATAGTACATGCTACCTTGCCAGCAATAA 869
Db 1014 TAGAATTTGGTAATAAACAACACTACGCTAGTGGGAAATCTATAGGTGCTAAGGT 1073
Qy 870 AGATTATGGTGGTGAAGCCACTGAGGTGGTGGCGCTACTTTTAGCCAAATAATGTAATAT 929
Db 1074 ACATTTATTTATGATTTAAGTACTATTTGATCTCTGAGAGAATAAGAAATACAAACTAT 1133
Qy 930 TGCATGCCCTGATGGTACTGCAATTTGCTAGTGGAGCAACTAATTTATGTAATATTATAAC 989
Db 1134 AACACCTTCTACATATATACCTACCTTCACATGCGAGCCTCACCTACTTCTATTAAATGG 1193
Qy 990 AGAATGCTCTAAATTTGCTGCTAACTTTTATTTTGTGTAATAATTTCTAGGCGAGGAAG 1049
Db 1194 ATTATATGATATTTATGACAGTACTTTTATACAGATACTTCTACAAACCCGGTACCATC 1253
Qy 1050 TAGTAGATGCAAGCAATGTCAGCAAAATAAGTTTAAAGCGCTGTAGCAACTGCAAGGTGG 1109
Db 1254 TGTACCCCTTACATCTTTTATCAGGTTATATCTCTGCAATAACAACAATTCCTTTTGGTGG 1313
Qy 1110 TACTGCTACTTTAATTTGCATAATGTGCCCTTGA 1142
Db 1314 TGCATACAATATTCCTTTTAGTATCAGGTCTCA 1346

RESULT 12
US-10-024-623-31/c
; Sequence 31, Application US/10024623
; Publication No. US20020187524A1
; GENERAL INFORMATION:
; APPLICANT: Curtlis, Rory A.J.
; TITLE OF INVENTION: 8099, 46455, 54414, 53763, 67076, 67102, 44181,
; FILE REFERENCE: 67084FL, AND 67084 ALT, HUMAN PROTEINS AND METHODS OF
; FILE REFERENCE: MNI-214CP
; CURRENT APPLICATION NUMBER: US/10/024.623
; CURRENT FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: US 60/256.240
; PRIOR FILING DATE: 2000-12-15
; PRIOR APPLICATION NUMBER: US 60/256.588
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 60/258.028
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 31
; LENGTH: 25002
; TYPE: DNA
; ORGANISM: Caenorhabditis elegans
US-10-024-623-31

Query Match          3.0%; Score 42.6; DB 9; Length 25002;
Best Local Similarity 52.5%; Pred. No. 2.6;
Matches 116; Conservative 0; Mismatches 104; Indels 1; Gaps 1;

Qy 1 ATGAAAAATAATAATTTTAGTAATAATTCATATTTTCATTTATTTATCAATTAATTAATCT 60
Db 4751 ATGTACATTTCAAAATTTATTTTATTCATCAATCTATTTTATTCACATATCATATAGAT-T 4693
Qy 61 GCTAATTTGCTGTTGGAACCTAAACCTAACACGCGGATAAGTTGATGATCTAGGAACCT 120
Db 4692 TCTTTTCTAATCCATAATCTGATCAATAATACACTAATAACTTCTTCTTTAAACCT 4633
Qy 121 CCTCAAAATGTTGTAATTTCTAGAAAACTTTTATTAATTAATGCTGCTGCTTTTCGTT 180
Db 4632 CAGATCCTTGTGTTTTTGTACTATGTATAAGTTTGTATTAATAATAGTAATCCTTTTGT 4573
Qy 181 CTTGGTCTAGTACGTGTACACCTTTGTCCATAAAAAAGA 221
Db 4572 CTTCTCTGTTTTCACACACATTTGATATTGATATAAA 4532
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RESULT 13

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US-09-864-761-228/C
; Sequence 228, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 228
; LENGTH: 574
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL079301.14
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 7.8
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 5.2
; OTHER INFORMATION: EXPRESSED IN HEPA, SIGNAL = 8.2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 8.4
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 4.7
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 4.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 5.6
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 6.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 7.8
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 7
;
US-09-864-761-228

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Query Match 3.0%; Score 42; DB 10; Length 574;  
Best Local Similarity 42.7%; Pred. No. 0.72;  
Matches 216; Conservative 0; Mismatches 290; Indels 0; Gaps 0;

Qy 345 TGTAAATGTCAGAAATTAATTTTATATATGAATAATGCTCCAAATATTTTAAATGCAGGTGCTAG 403

Db 532 TGGTGATGGTGGTGATGATGGTGTCTATATGATGATGATGATGATGATGATGATGATGATGATGATG 473

Qy 405 TACATGCACAGCTTCTCCGGSTAAACAGAGTTGGTGGTGCATGTGACTGCTGTAATGCCGC 464

Db 472 TAGTGCCTGATGCTGCTGGTGATGGGGTGTCTATGGTGATGGTGATGGTGATGGTGATGGTG 413

Qy 465 TACCATAGTCGCATTAATGTACGTCGCATGCTCTACTGCTACTGCTACCTTGCACCTTGATGAGGT 524

Db 412 TGGT 353

Qy 525 AACTACTGATTAATGTTAGATCATTCACAGAAATGTTAAATAGACATTAACCTTTACTA 584

Db 352 TAGTGATGGTGATTAATGGTGATCATTTGTGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 293

Qy 585 TAAATGGTAATATGGTAATACTCCTTTCAATCCAGGTAAAGTTAATGCACACCTTGTCC 644

Db 292 TGG 233

Qy 645 GGCATTAACCTGCTTAATGTTGGCTTAAGCTACTTTAGGTAAATGATGCTACATAAACC 704

Db 232 TGGTGATTAATGGTGATCATGGTGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 173

Qy 705 ATAATGTAACGTTGCAAGCCCTGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 766

Db 172 TCATGGTGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 113

Qy 765 AGCACAACACCTGAATGTACTAATTTGGTCCCTAACTTTTACAATAATAATGCTCCATA 824

Db 112 TAGTGGCGGTGGTGGCCCATGGTGATGGTGATGGTGATGGTGATGGTGATGGTGATGGTGATGG 53

Qy 825 TTTCATCCAGGTAAATAGTACATGCC 850

Db 52 CATCAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 27

RESULT 14

US-09-938-842A-3346

; Sequence 3346, Application US/09938842A

; Patent No. US20020160378A1

GENERAL INFORMATION:

; APPLICANT: Harper, Jeff

; APPLICANT: Wang, Xun

; APPLICANT: Zhu, Tong

; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS

; TITLE OF INVENTION: SAME, AND METHODS OF USE

; FILE REFERENCE: SCRIP1300-3

; CURRENT APPLICATION NUMBER: US/09/938,842A

; CURRENT FILING DATE: 2001-08-24

; PRIOR APPLICATION NUMBER: US 60/227,866

; PRIOR FILING DATE: 2000-08-24

; PRIOR APPLICATION NUMBER: US 60/264,647

; PRIOR FILING DATE: 2001-01-16

; PRIOR APPLICATION NUMBER: US 60/300,111

; PRIOR FILING DATE: 2001-06-22

; NUMBER OF SEQ ID NOS: 5379

; SEQ ID NO 3346

; LENGTH: 1881

; TYPE: DNA

; ORGANISM: Arabidopsis thaliana

US-09-938-842A-3346

[illegible]

Db 597 GTTTTATTTTGGGAAATTTGTTTCTACTTTTATATAGTTTATATAAATGCATAT 656  
Qy 638 CTTCTCGCGCAATTAACCGTCAATGTTGCTTAA 672  
Db 657 TTTCGAAAATAGTTACTTTCATTACAAATTTGTAA 691

RESULT 15  
US-09-864-761-4976/c  
: Sequence 4976, Application US/09864761  
: Patent No. US20020048763A1  
: GENERAL INFORMATION:  
: APPLICANT: Penn, Sharron G.  
: APPLICANT: Rank, David R.  
: APPLICANT: Hanzel, David K.  
: APPLICANT: Chen, Wensheng  
: TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
: FILE REFERENCE: Aeonica-X-1  
: CURRENT APPLICATION NUMBER: US/09/864,761  
: PRIOR FILING DATE: 2001-05-23  
: PRIOR APPLICATION NUMBER: US 60/180,312  
: PRIOR FILING DATE: 2000-02-04  
: PRIOR APPLICATION NUMBER: US 60/207,456  
: PRIOR FILING DATE: 2000-05-26  
: PRIOR APPLICATION NUMBER: US 09/632,366  
: PRIOR FILING DATE: 2000-08-03  
: PRIOR APPLICATION NUMBER: GB 24263.6  
: PRIOR FILING DATE: 2000-10-04  
: PRIOR APPLICATION NUMBER: US 60/236,359  
: PRIOR FILING DATE: 2000-09-27  
: PRIOR APPLICATION NUMBER: PCT/US01/00666  
: PRIOR FILING DATE: 2001-01-30  
: PRIOR APPLICATION NUMBER: PCT/US01/00667  
: PRIOR FILING DATE: 2001-01-30  
: PRIOR APPLICATION NUMBER: PCT/US01/00664  
: PRIOR FILING DATE: 2001-01-30  
: PRIOR APPLICATION NUMBER: PCT/US01/00669  
: PRIOR FILING DATE: 2001-01-30  
: PRIOR APPLICATION NUMBER: PCT/US01/00665  
: PRIOR FILING DATE: 2001-01-30  
: PRIOR APPLICATION NUMBER: PCT/US01/00668  
: PRIOR FILING DATE: 2001-01-30  
: PRIOR APPLICATION NUMBER: PCT/US01/00663  
: PRIOR FILING DATE: 2001-01-30  
: PRIOR APPLICATION NUMBER: PCT/US01/00662  
: PRIOR FILING DATE: 2001-01-30  
: PRIOR APPLICATION NUMBER: PCT/US01/00661  
: PRIOR FILING DATE: 2001-01-30  
: PRIOR APPLICATION NUMBER: PCT/US01/00670  
: PRIOR FILING DATE: 2001-01-30  
: PRIOR APPLICATION NUMBER: US 60/234,687  
: PRIOR FILING DATE: 2000-09-21  
: PRIOR APPLICATION NUMBER: US 09/608,408  
: PRIOR FILING DATE: 2000-06-30  
: PRIOR APPLICATION NUMBER: US 09/774,203  
: PRIOR FILING DATE: 2001-01-29  
: NUMBER OF SEQ ID NOS: 49117  
: SOFTWARE: Annonax Sequence Listing Engine vers. 1.1  
: SEQ ID NO 4976  
: LENGTH: 489  
: TYPE: DNA  
: ORGANISM: Homo sapiens  
: FEATURE:  
: OTHER INFORMATION: MAP TO AL031076.1  
: OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 5.1  
: OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 5.5  
: OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.8  
: OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 6  
: OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 5.1  
: OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 5.2  
: OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 4.1

; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 5.9  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 5.9  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 5.4  
US-09-864-761-4976  
Query Match 2.9%; Score 41; DB 10; Length 489;  
Best Local Similarity 50.2%; Pred. No. 1.2;  
Matches 101; Conservative 0; Mismatches 100; Indels 0; Gaps 0;  
Qy 339 AGAATGTTTAATTGTAGAAATTAATTTTATATAGAAATGCTCCAAATTTTAAATGCAGG 398  
Db 379 ATATGGTGATAATGGTGATGGAATGATGGCGATGATAATGCTAATCATGGTGATGATGG 320  
Qy 399 TGCTAGTACATGCACAGCTTGTCCGGTAAACAGAGTTGGTGGTCATTGCACCTGGTAA 458  
Db 319 TGGTGATTATGGTAGGGATGGTGATGATAATGGTGATGGTGATGGTGATGGTGATGG 260  
Qy 459 TGCCGCTACCATAGTCGCATATATGTAACGTCGCGATGCTCTACTGTGCTACTGCACTTGTATGA 518  
Db 259 TGGTGTAGTAATACCGGTGATGGTAATGACGGTGGTGTATGATGATGATGATGATGATG 200  
Qy 519 TGGAGTAACTACTGTATGT 539  
Db 199 TGATGATGGTAATGATAGTAT 179  
Search completed: February 17, 2003, 02:02:15  
Job time : 216.299 secs

